

What is claimed is:

1. An optical pulse generating apparatus,  
comprising:

5 a light source outputting single wavelength light;  
and

an optical pulse generating unit generating an  
optical pulse by generating modulation spectrum  
components by performing phase modulation for light from  
10 said light source, and by adjusting phases of wavelengths  
of the modulation spectrum components included in  
generated light.

2. An optical pulse generating apparatus,  
15 comprising:

a light source outputting single wavelength light;  
and

an optical pulse generating unit generating an  
optical pulse by performing phase modulation for light  
20 output from said light source, and by selecting, with  
a wavelength selector, wavelength components phases of  
which are aligned among the modulation spectrum  
components included in the generated light, and which  
are different from said light source.

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